

INVENT OF

This system is designed to inspect many configurations of fuel and spent fuel canisters. The entire scanning assembly is submerged and is operated remotely from the control station. Three underwater video cameras assist in remote navigation. Ultrasound is the primary mode of inspection, although other transducers may be deployed with this system.



Scanner Concept

11 Axes of Motion - (X,Y,Z,G,S)

Turntable



V-clamp Assembly for Canister Positioning

Turntable



Scanner Assembly



Control Station



Reference Standard



Internal Reflectors



Ring-Down



Thru-Transmission



Up-Looking (A-scan)



Ring-Down w/ Sludge

Sample Data

